

- 17 -

CLAIMS

1. A tool for facilitating breakage of the neck of a glass phial for pharmaceuticals and the like and protecting the operator from injury to the fingers, characterized in that it consists of a strip of cardboard (1) with a hole (3) in a middle position and at least one weakening for a transverse fold (5) coinciding with said hole, so as to delimit two facing leaves (1A, 1B); the hole (3) being suitable for introduction therein of the neck (C) of the phial (F) and the leaves (1A; 1B) being able to be arranged alongside the neck of the phial and receive the action of the fingers in order to break said neck.
2. Tool according to claim 1, characterized in that the two leaves are joined together at the ends opposite to the hole.
3. Tool according to claim 1 or 2, characterized in that each of the two leaves (1A, 1B; 11A, 11B) has a first weakening for a transverse fold (9; 19) at a small distance from said hole (3, 13) for adaptation to the shape of the phial.
4. Tool according to at least claim 3, characterized in that each of the two leaves (21A; 21B) also has a second further weakening for a transverse fold (31) at a greater distance from said hole (23) than said first weakening for a transverse fold (29), so as to allow inward bending of the cardboard between the two leaves (21A; 21B) in order to adapt the tool to the shoulder of the phial and to the neck thereof.
5. Tool according to at least one of the preceding claims, characterized in that the two leaves have an impression, i.e. a longitudinal ribbing (1F; 11F) which is shaped and convex outwards from said hole (3; 13) so as to create a partial housing for the neck of the phial.
6. Tool according to at least one of the preceding claims, characterized in that at least one of the leaves (1B; 11B) has a window (10; 20) for visual inspection of a reference mark (C1) provided on the neck (C) of the phial (F) for indicating the direction of the pressure to be exerted for breakage of the phial neck.
7. A tool for facilitating breakage of the neck of a glass phial for pharmaceuticals and the like, characterized in that it consists (Fig. 10) of a cardboard element with at least one weakening for a book-like fold (65) for delimiting two facing leaves (61A, 61B) having recesses (62, 63A, 63B) able to form a seat for the neck of the phial; the two leaves (61A, 61B) being able

- 18 -

to be arranged alongside the neck of the phial and receive the action of the fingers in order to break said neck.

8. A tool for facilitating breakage of the neck of a glass phial for pharmaceuticals and the like, characterized in that it consists (Fig. 9) of a cardboard strip (51) with a weakening for a transverse fold (55) for delimiting two facing leaves (51A, 51B) having recesses (53A, 53B) at the ends able to form a seat for receiving the neck of the phial; the two leaves (51A, 51B) being able to be arranged alongside the neck of the phial and receive the action of the fingers for breakage of said neck.

9. A set of tools formed according to one or more of the preceding claims, made from cardboard material which is punched with pre-cut lines (70, 170, 120) defining individual strip-like tools to be detached easily one after another for use.

10. A set of tools according to claim 9, characterized in that it is made of cardboard material comprising a surface (183) in excess of that forming the strip-like tools (171) to be detached, which excess surface (183) is used for printing information relating to use of the tools and/or information of an advertising nature and/or relating to the product - in particular pharmaceutical product - contained in the phial of a packaging which also contains said set of tools.

11. A set of tools according to claim 10, characterized in that the surface in excess of the set (307) from which the strip-like tools (371) are obtained forms two zones (305, 303) which can be folded over so as to form a three-layer assembly (Figs. 20, 21).

12. A set of tools according to claim 9 or 10, characterized in that it is formed as an appendage of a punched element for the formation of a box intended to form the packaging for which said set is intended, said appendage being handled with the operations for forming the box, being hinged by means of a folding line with a component of said punched element.

13. A box for containing glass phials with a neck to be broken, made with a punched element forming the walls of the box partly delimited by folding lines, characterized in that it comprises an appendage (624, 628, 738, 814) protruding from one of the portions forming the box, in particular from one of the side walls (605; 708; 805) of the box, so as to form a set of strip-like tools

- 19 -

which can be detached individually from pre-cut lines.

14. A box according to claim 13, characterized in that said appendage (624, 628; 738; 814) is folded over at least twice and may be optionally glued in zones of the adjacent surfaces.

5        15. A box according to at least one of claims 12, 13 and 14, characterized in that one of the two front walls (603; 703) is formed as a contour of a lid (618; 720) defined by a cut or pre-cut line (616; 721) and by a folding line (620; 723) forming a hinge.

10        16. A box according to at least claim 13, characterized in that said appendage (924, 928, 974, 978) forms at least one of the closing flaps (910; 959; 960) of the box with which said appendage is hinged.

15        17. A box according to claim 16, characterized in that said appendage (924, 928) is engaged, against one of the front walls (903) of the box, with the material (938A) of the hole of one of the strips (930) which is defined by a pre-cut line, said material (938A) being glued to said front wall.

18. A box according to claim 16, characterized in that said appendage (972, 978) forms laterally both the closing flaps (959, 960) of the box.